

Pregnant Women and Live, Attenuated Influenza Vaccine (LAIV4)

Remember, seasonal flu vaccine is recommended for all persons 6 months of age and older. To see what seasonal flu vaccines are available for the 2013-14 flu season review the handout "[Seasonal Influenza Vaccines 2013-14](#)." This handout can be found on MDCH's website at www.michigan.gov/flu. Live, attenuated influenza vaccine, quadrivalent (LAIV4) is an intranasal flu vaccine and is one of the vaccine options that can be received this flu season.

LAIV4 is recommended for:

- Healthy, non-pregnant persons aged 2 through 49 years

LAIV4 is not recommended for:

- Pregnant women
- Children younger than 2 years, and adults 50 years and older
- People with a history of severe allergic reaction to any component of the vaccine or to a previous dose of any influenza vaccine
- People with asthma
- Children 2 through 4 years of age whose parent or caregiver reports health-care provider-diagnosed wheezing or asthma during the past 12 months, or whose medical record indicates a wheezing episode during that period
- Children or adolescents on long-term aspirin treatment
- Children and adults who have chronic pulmonary, cardiovascular (except isolated hypertension), renal, hepatic, neurologic/neuromuscular, hematologic, or metabolic disorders
- Children and adults who have immunosuppression (including immunosuppression caused by medications or HIV)
- Close contacts of an immunosuppressed person who requires a protected environment, such as a bone marrow transplant unit.

Some key points to remember about LAIV4 are:

- Children of pregnant women can be vaccinated with LAIV4
- Pregnant and postpartum women do not need to avoid contact with persons who were recently vaccinated with LAIV4
- Pregnant health-care professionals can administer LAIV4 to their patients
- LAIV4 may be administered to people with minor illnesses (e.g., diarrhea or mild upper respiratory tract infection with or without fever)
 - If nasal congestion is present, this may limit delivery of the vaccine to the nasal lining. Consider delaying vaccination until nasal congestion is reduced, or administer an inactivated influenza vaccine.

CDC recommends all pregnant women should be vaccinated against influenza to ensure protection from disease. Be sure to screen all pregnant women for all other vaccines needed to stay healthy during pregnancy, such as whooping cough (Tdap) vaccine. It is also recommended family members of pregnant women receive the flu vaccine. Pregnant women are recommended to receive Inactivated Influenza Vaccines, trivalent or quadrivalent (IIV3 or IIV4). For further information on influenza vaccine during pregnancy, review [Question and Answers](#) regarding pregnancy and flu shots from CDC.

For further information on LAIV4 review:

[Question and Answers](#) regarding LAIV4 from CDC

[LAIV Quick Look](#) at MDCH website

For further information on 2013-14 Seasonal Influenza recommendations review:

[MMWR, Prevention and Control of Seasonal Influenza with Vaccines: Recommendation of the Advisory Committee on Immunization Practices, US, 2013-14, September 20, 2013, Vol 62, \(7\)](#)